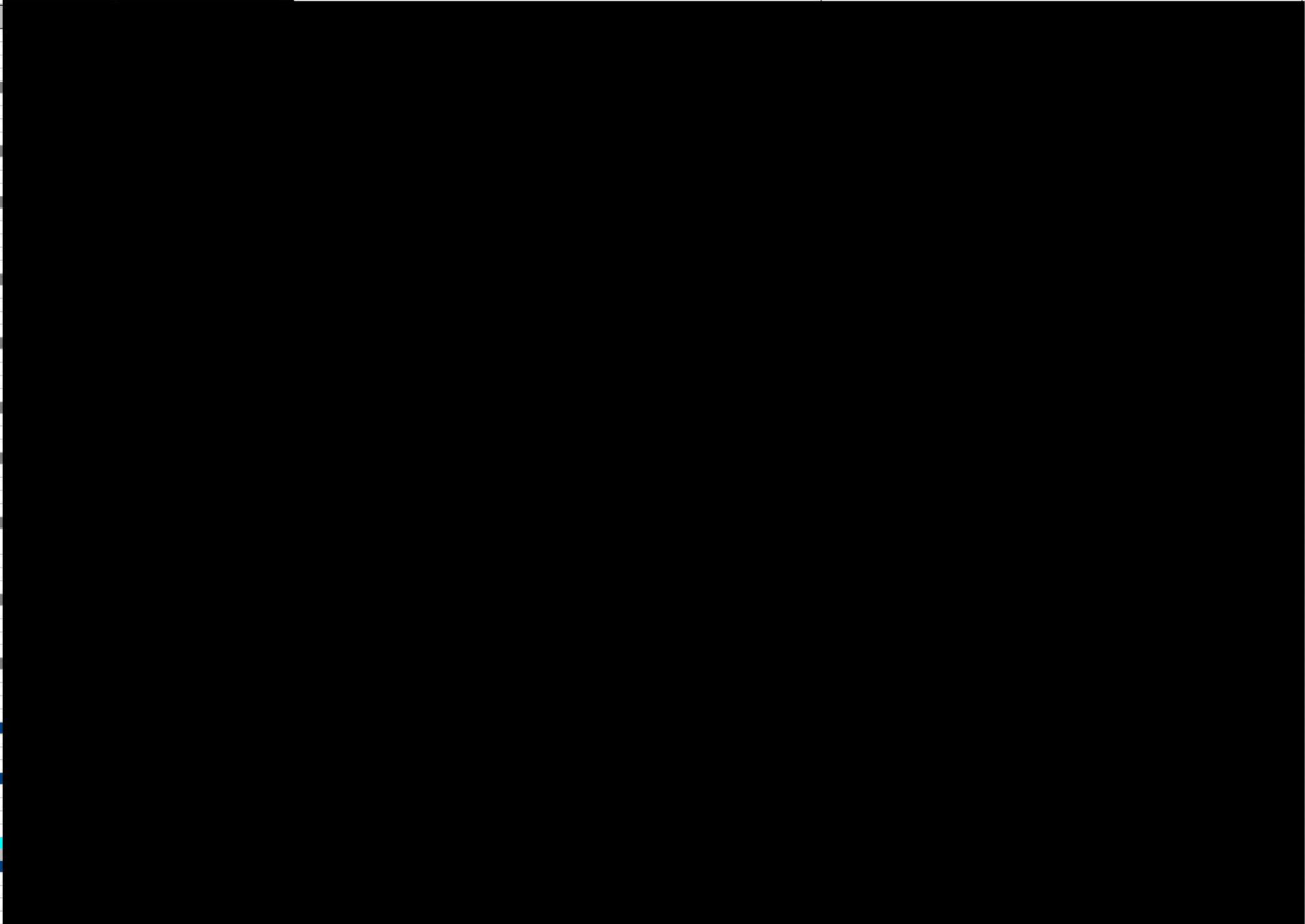




Activity ID	Activity Name
C3W16	Instal Plain Line to Turnout 1458 (Road J)
C3W16	Prep Turnout
C3W16	Instal Turnout 1458
C3W17	Instal Plain Line to Turnout 1459
<b>Turnout 1457 - Road EI</b>	
C3W16	Instal Plain Line to Turnout 1457 (Road I)
C3W17	Prep Turnout
C3W17	Instal Turnout 1457
C3W18	Instal Plain Line to Turnout 1458
<b>Turnout 1456 - East Throat</b>	
C3W17	Prep Turnout
C3W18	Instal Turnout 1456
C3W18	Instal Plain Line to Turnout 1457
<b>Turnout 1455 - Roads BG-BH</b>	
C3W17	Instal Plain Line to Turnout 1455 (Road H)
C3W17	Instal Plain Line to Turnout 1455 (Road G)
C3W18	Prep Turnout
C3W18	Instal Turnout 1455
C3W19	Instal Plain Line to Turnout 1456
<b>Turnout 1454 - Road BF</b>	
C3W18	Instal Plain Line to Turnout 1454 (Road F)
C3W19	Prep Turnout
C3W19	Instal Turnout 1454
C3W20	Instal Plain Line to Turnout 1456
<b>Turnout 1453 - Road BE</b>	
C3W19	Instal Plain Line to Turnout 1453 (Road E)
C3W19	Prep Turnout
C3W20	Instal Turnout 1453
C3W20	Instal Plain Line to Turnout 1454
<b>Turnout 1452 - East Throat</b>	
C3W19	Prep Turnout
C3W20	Instal Turnout 1452
C3W21	Instal Plain Line to Turnout 1453
<b>Turnout 1451 - Road BD</b>	
C3W19	Instal Plain Line to Turnout 1451 (Road D)
C3W19	Prep Turnout
C3W21	Instal Turnout 1451
C3W21	Instal Plain Line to Turnout 1452
<b>Turnout 1450 - Roads BB-BC</b>	
C3W19	Instal Plain Line to Turnout 1450 (Road C)
C3W20	Instal Plain Line to Turnout 1450 (Road B)
C3W20	Prep Turnout
C3W21	Instal Turnout 1450
C3W21	Instal Plain Line to Turnout 1451
<b>Turnout 1449B - Road BA</b>	
C3W20	Instal Plain Line to Turnout 1449B (Road A)
C3W20	Prep Turnout
C3W21	Instal Turnout 1449B
C3W21	Instal Plain Line to Turnout 1452
<b>Turnout 1449A - Test Track</b>	
C3W20	Prep Turnout
C3W21	Instal Turnout 1449A
C3W21	Instal Plain Line to Turnout 1449B
C3W22	Instal Plain Line to East Access (Test Track)
<b>Finishing Works</b>	
C3W2210	Top Ballast
C3W2240	Tamp
C3W2290	Profile Ballast & Regulate
<b>Points Heating Equipment</b>	
C3W2620	Instal PHCC 09
C3W2630	Instal PHCC 10
C3W2640	Instal Trackside Connection Boxes (12no.)
C3W2740	Instal PH Cables, Strips & Connections
<b>Signalling Equipment</b>	
<b>New Works</b>	
C3W2380	Assemble Signals - Yard
C3W2520	Fitout REB 27* (REB 27 & 26 needed for commissioning CAP)
C3W2700	Instal Signalling Cables & Terminate
C3W2680	Instal Interlocking Equipment



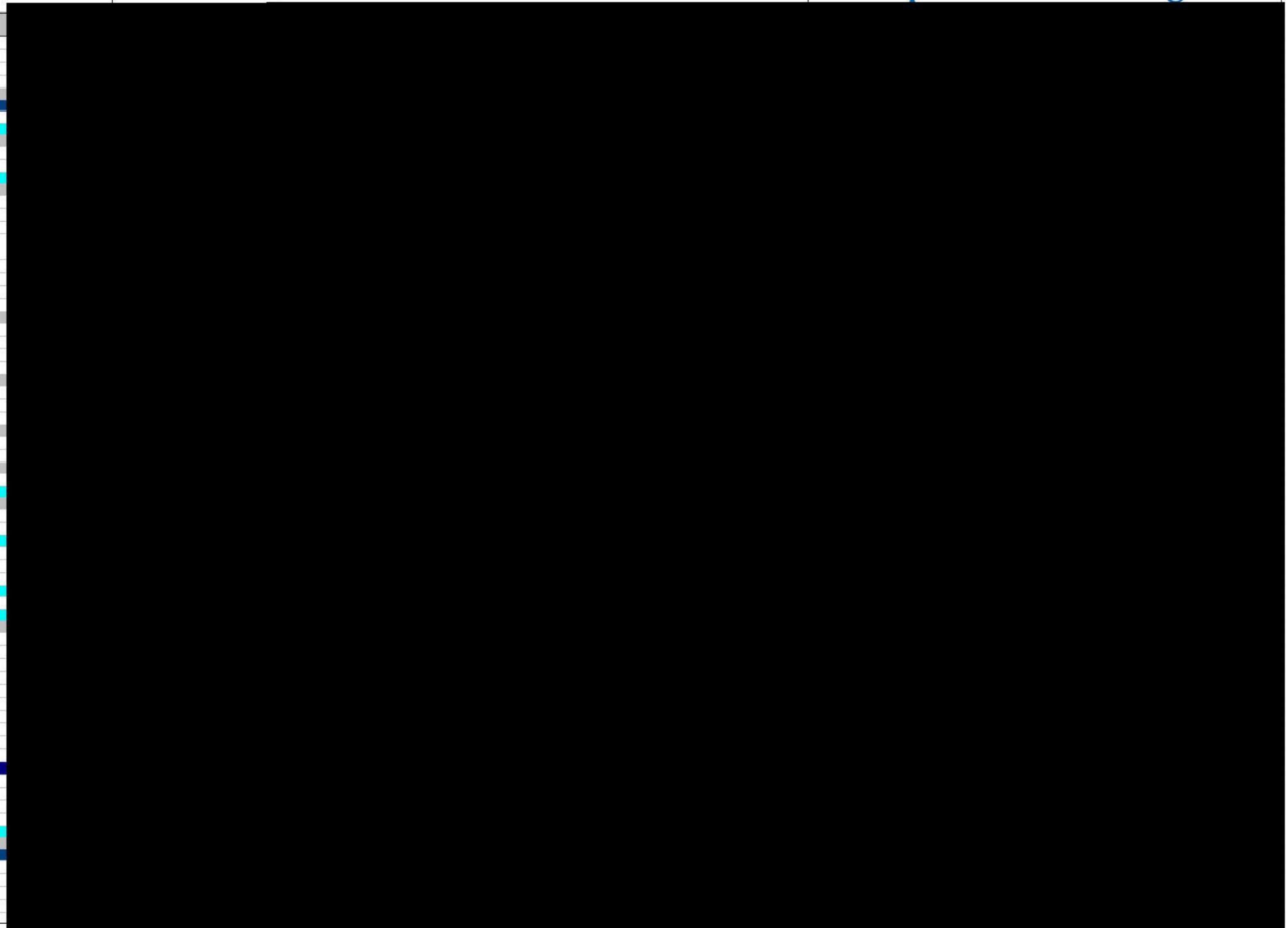
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Activity ID	Activity Name
C3W2660	Install Signals (10no.)
C3W2690	Install Points Operating Equipment (11no.)
C3W2860	Install Track Circuits (32no.)
A1040	Signalling Test ing
<b>Signalling Power - C3W</b>	
<b>New Works</b>	
C3W2530	Install New Feeder Cable between SPP & REB 27 + Test
<b>ETE</b>	
<b>Earthing &amp; Bonding</b>	
C3W2260	Install Area 2 Track Disconnection Switches*
C3W2300	Install Area 2 DC Track Bonding / Cabling
<b>M&amp;E</b>	
<b>Boosted Cold Water System</b>	
C3W1260	Power Supply to Boosted Cold Water Set
C3W1320	Pipework from Booster Set under NE Test Track
C3W1350	Pipework from NE Test Track to MH19
C3W1360	Pipework from MH19 to MH10
C3W1400	Pipework from MH10 to MH12 (NC Test Track)
C3W1410	Pipework from MH12 to Pump House / SPEL Tank
C3W1440	Pulsed Water Meters
C3W2840	Trace Heating
C3W2890	Leak Detection System
<b>Lighting Masts</b>	
C3W2670	West End Trackside Lighting - 15m (2no.)
C3W2750	East End Platform Lighting - 15m (8no.)
C3W2790	Install Cables & Terminate
C3W2870	East Throat to Buffer Stop Lighting - 10m (4no.)
<b>CCTV Masts</b>	
C3W2760	Install Platform CCTV Masts (7no.)
C3W2800	Install CCTV Cameras (7no.)
C3W2820	Install Cables & Terminate
<b>Walkway Standpipes</b>	
C3W2590	Standpipes & Pipework to Eastern Siding Platforms (8no.)
C3W2730	Standpipes & Pipework to Western Siding Platforms (10no.)
<b>Surface Water Pumping</b>	
C3W1380	Surface Water Pumping Stations to NE Area (2no.)
<b>Traction Power</b>	
<b>Conductor Rail</b>	
C3W2370	Install Conductor Rail
C3W2650	Install Traction Power Supply & Terminate
<b>Telecoms</b>	
C3W2510	Radio System
C3W2770	Install Telecom Cables
C3W2710	Integration into DLR LAN
<b>Controls &amp; SCADA</b>	
C3W2930	Cold Commissioning for CAP
<b>LV Power Supply</b>	
<b>Lighting / LV Power</b>	
C3W1180	Install GPP Power Distribution Enclosure
C3W1200	Install Feeder Pillar for External Lighting
C3W1210	Install Feeder Pillar for Small Power
C3W2810	LV Power to REB 27
C3W2600	LV Power to Train Wash
C3W2850	LV Power to Walkways - Feeder Pillars
C3W2880	LV Power to Lighting Masts
C3W2900	LV Power to LOCs
C3W2910	LV Power to Points Heating
C3W2920	LV Power to Signalling Equipment
<b>Stage C4P</b>	
C4P1000	Take Possession of Stage C4P*
C4P1010	Install Temporary Walkway (Depot Shed to West Stabling)
C4P1020	Remove All Temporary Fencing (East End to West End)
C4P1330	Stage C4P Complete
<b>PWAY Final Connections to New West Sidings</b>	
<b>Area 1</b>	
<b>BA</b>	
C4P1030	Excavate & Prep
C4P1220	Bottom Ballast
C4P1230	Install Plain Line to West Connection
C4P1270	Top Ballast + Tamp + Profile



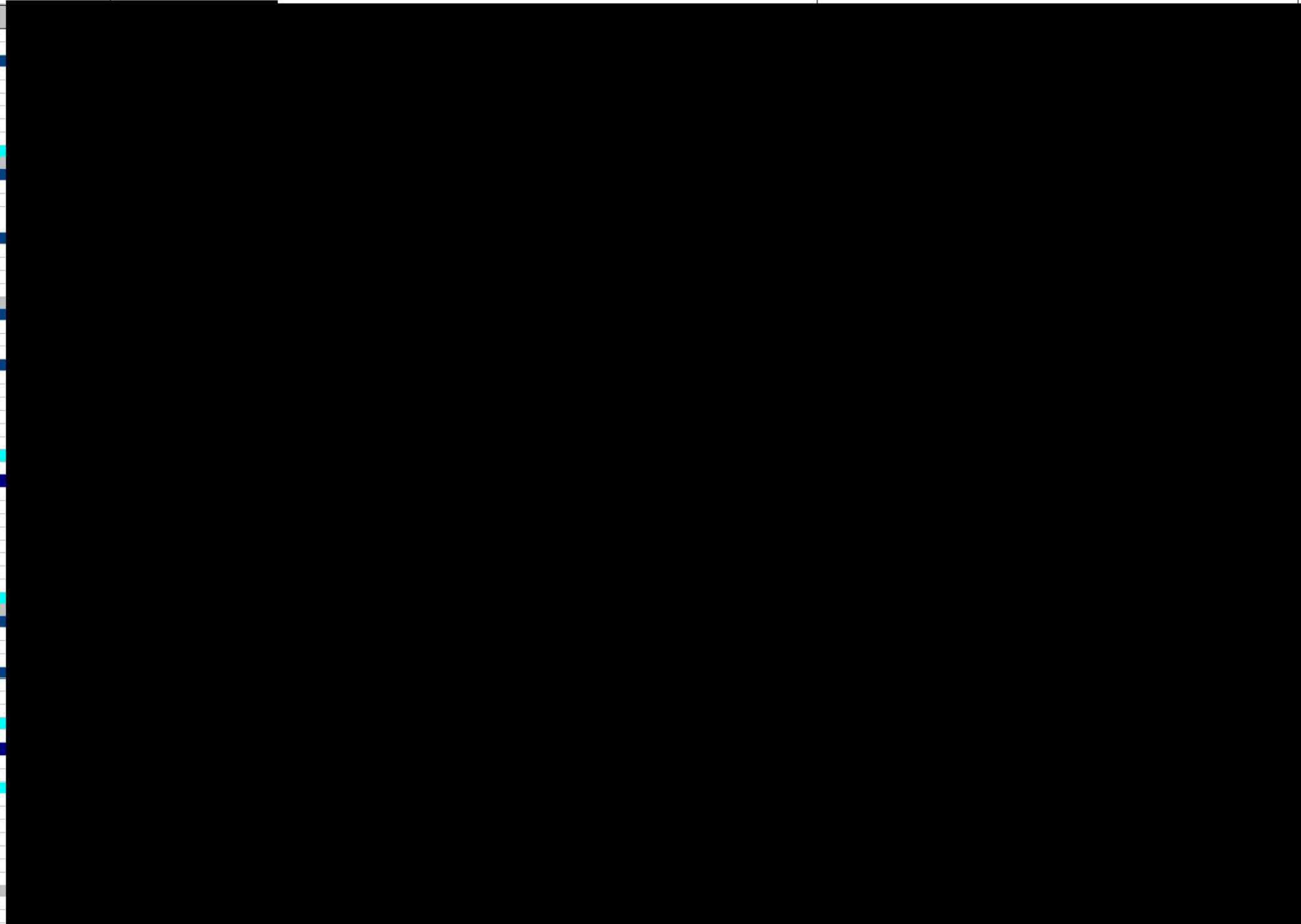
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Activity ID	Activity Name
C4P1290	Install Conductor Rail, Cables Extension
C4P1310	Test & Commission
<b>ET</b>	
C4P1240	Excavate & Prep
C4P1250	Bottom Ballast
C4P1260	Install Plain Line to Gap Section
C4P1280	Top Ballast + Tamp + Profile
C4P1300	Install Conductor Rail, Cables Extension
C4P1320	Test & Commission
<b>Signalling</b>	
<b>Signalling Equipment</b>	
<b>New Works</b>	
C4P1130	Install Marker Boards (48no.)
C4P1140	Disabled Signal 85 Route BIU
C4P1150	Modifications to Track Circuits
C4P1160	Install New Points Motor 1432
<b>Recoveries</b>	
C4P1170	Signalling Equipment Disconnections
C4P1180	Recover Signals, Track Circuits and Associated Cables
C4P1190	Recover Stabling Marker Lights
C4P1200	Recover Point 1459 and Disconnect Point 1401
<b>Signalling Power - C4P</b>	
<b>New Works</b>	
C4P1040	Install New Feeder Cable between SPP & REB 26 + Re-Supply
C4P1050	Modifications to LOC 03
C4P1060	Re-Supply LOC 12, 11, 9 from REB 6
<b>Recoveries</b>	
C4P1070	Disconnect Existing 650V Cable (LOC 16-17)
C4P1080	Recover LOC 7
C4P1090	Recover LOC 4
C4P1100	Recover LOC 8
C4P1110	Recover LOC 05
C4P1120	Recover LOC 17
<b>Controls &amp; SCADA</b>	
C4P1210	Hot Commissioning C4P
<b>Stage C5W</b>	
C5W1000	Connect & Test Conductor Rail
C5W1010	Commission Train Wash
C5W1020	Take Possession of Stage C5W
C5W1090	Test & Commission Train Wash (Stage C5W)
C5W1100	Test & Commission Plantroom (Stage C5W)
C5W1110	Correspondence Testing
C5W1130	BIU West End & Stabling Lines
C5W1140	Stage C5W Complete
<b>Signalling</b>	
<b>Signalling Power - C5W</b>	
<b>New Works</b>	
C5W1030	Replace Existing Fuse Units & Transformers (LOC 3, 9, 11 & 12)
C5W1040	Install New Feeder Cables (LOC / REBs)
C5W1050	Lock off Signalling Power Interlocking Switches
<b>Recoveries</b>	
C5W1060	Disconnect All Remaining 650V Cables
C5W1070	Recover LOC 13 and Equipment
C5W1080	Recover All Signalling Power Equipment
<b>Controls &amp; SCADA</b>	
C5W1120	Cold Commissioning for C6P
<b>Stage C6P</b>	
C6P1000	Take Possession of C6P
C6P1180	Stage C6P Complete
<b>Final Connections to East Sidings</b>	
C6P1010	Excavate & Prep
C6P1090	Bottom Ballast
C6P1130	Install Plain Line to Gap Section*
C6P1140	Top Ballast + Tamp + Profile
C6P1150	Test & Commission
C6P1160	S&C Connections & Mds
C6P1170	Install Conductor Rail, Cables Extension
<b>Turnout 1461 - East Throat</b>	
C6P1100	Prep Turnout
C6P1110	Install Turnout 1461



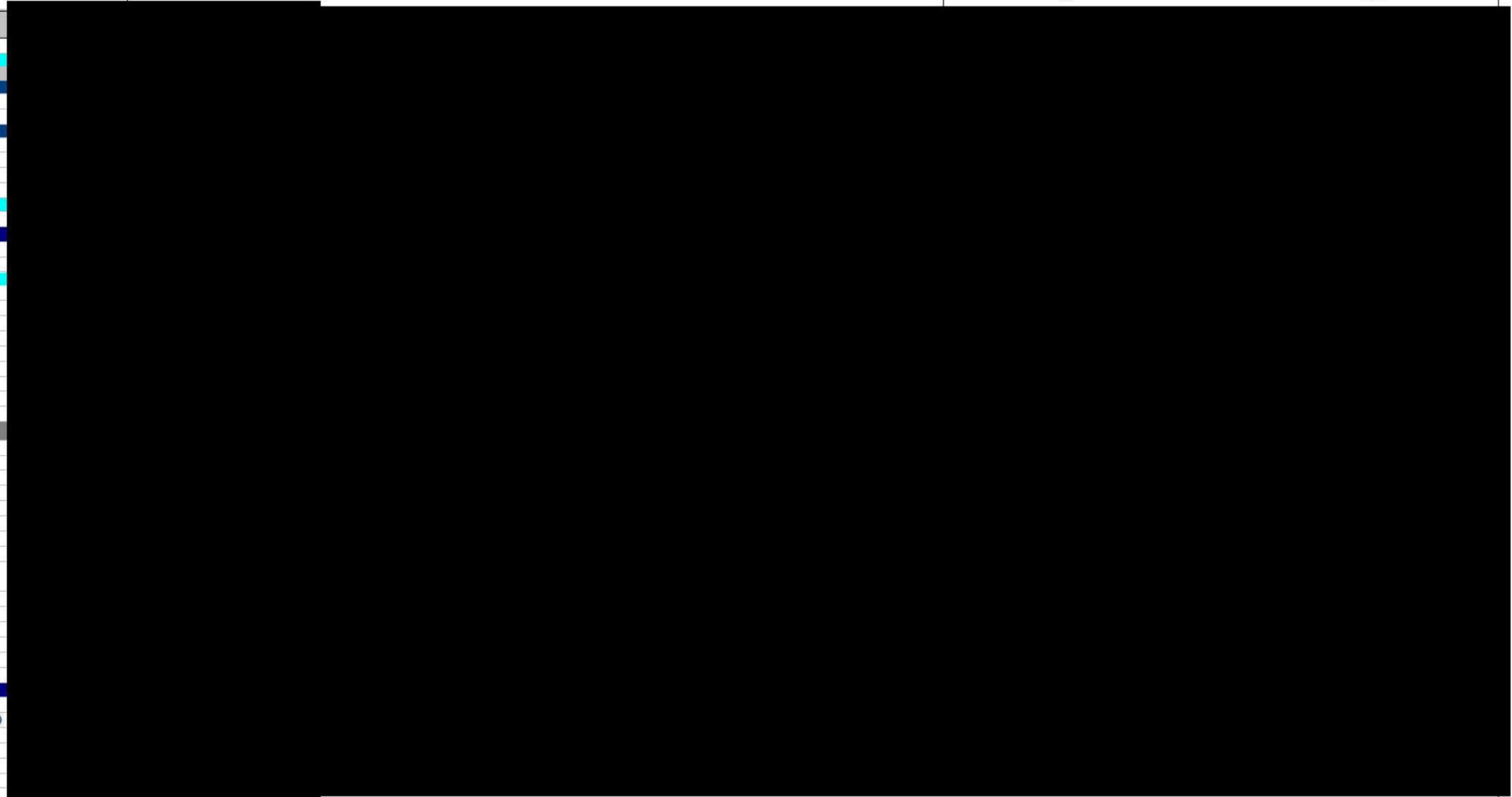
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Activity ID	Activity Name
C6P1120	Instal Plain Line to Turnout 1459
<b>Signalling Equipment</b>	
<b>New Works</b>	
C6P1020	Modifications to Track Circuits
C6P1030	Install New Points Motor 1461
<b>Recoveries</b>	
C6P1040	Signalling Equipment Disconnections
C6P1050	Recover Signals, Track Circuits and Associated Cables
C6P1060	Recover Stabling Marker Lights
C6P1070	Recover Points 1426B, 1463, 1464 and Disconnect Point 1465
<b>Controls &amp; SCADA</b>	
C6P1080	Hot Commissioning C6P
<b>Stage C7F (If Required)</b>	
C7F1000	Take Possession of C7F
C7F1100	Stage C7F Complete
<b>Temporary Access Road NE</b>	
C7F1010	Setting Out
C7F1020	Haul Road
C7F1030	Gate Posts
C7F1040	Level Crossing Road Aprons
C7F1050	Pedestrian Crossing Aprons
C7F1060	Road Level Crossing
C7F1070	Pedestrian Level Crossing
C7F1080	Gates
C7F1090	Signage
<b>Handover</b>	
HAN1000	As-built Information Submission
HAN1010	Submit Asset Data Information
HAN1030	Submit Health & Safety File
HAN1020	O & M Manuals
HAN1040	Verification & Validation
HAN1050	O & M Manuals Accepted by Employer
HAN1060	Training Plan
HAN1070	As-built Information Accepted
HAN1080	Asset Data Accepted by Employer
HAN1090	Health & Safety File Accepted by Employer
HAN1100	Undertake Client Training
HAN1110	Pre-Completion Meeting
HAN1120	Assurance Handover
HAN1140	Maintenance Spares & Tools Handed Over
HAN1150	BIU East / Overall
HAN1130	Site Demobilisation
<b>Acceptance of Asset Gates</b>	
HAN1160	Acceptance of Asset (AoA) - Civils
HAN1170	Acceptance of Asset (AoA) - M&E (inc. Train Wash and Traction Services)
HAN1180	Acceptance of Asset (AoA) - Communications
HAN1190	Acceptance of Asset (AoA) - P-Way
HAN1200	Acceptance of Asset (AoA) - Signalling
HAN1210	Acceptance of Asset (AoA) - Overarching



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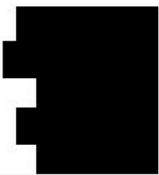
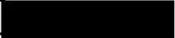


**DLR Rolling Stock Replacement Programme; Beckton  
Depot Northern Sidings; NEC3 ECC Option C**

**Section 1.03**

**Activity Schedule**

**1.035**

	Total Price £
<b>Beckton Depot Northern Sidings</b> 	
<b>TOTAL PRICE OF THE WORKS</b>	

**Beckton Depot Upgrade (Northern Sidings)  
ACTIVITY SCHEDULE**

	<u>Description</u>	<u>Qty</u>	<u>Unit</u>	<u>Rate</u>	<u>£</u>
	<b>Preliminaries and Management</b>				
1	Office staff	1	Item		-
2	Site staff	1	Item		
3	Accommodations, equipment and consumables	1	Item		
4	Site hoardings	1	Item		
5	Temporary signage	1	Item		-
6	Surveying/Setting out	1	Item		-
7	Temporary lighting and power	1	Item		-
8	Temporary water	1	Item		-
9	General site labour	1	Item		
10	Traffic management	1	Item		-
11	Possession / Isolation management	1	Item		
12	Insurances	1	Item		-
13	Security	1	Item		
14	Inspections	1	Item		
15	Delivery charges	1	Item		
16	Other Items	1	Item		
16 A	Covid 19 allowances	1	Item		
	<b>Procurement</b>				
17	Procure all small plant & tools	1	Item		
18	Procure all heavy plant & equipment	1	Item		
19	Procure tamper	1	Item		-
20	Procure all S&T Cables and equipment required for Northern Sidings	1	Item		
21	Procure all sleepers & components from manufacturer	1	Item		-
22	Procure all track terram and track ballast for northern sidings	1	Item		
23	Procure Point Heating equipment and cables	1	Item		
	<b>Pre-Construction</b>				
24	Plan & organise line blocks & isolations in day time between peak periods	1	Item		-
25	Construction of welfare compound	1	Item		-
26	Lay out markers for building Northern sidings	1	Item		-
26	Build storage area for all track and equipment to be stored on delivery	1	Item		-
	<b>Delivery of Track Materials, Equipment &amp; Plant for Sidings</b>				
27	Base ballast for sidings	1	Item		
28	PW2 Terram	1	Item		
29	Small plant & tools	1	Item		-
30	Heavy Plant & Equipment	1	Item		-
31	Sleepers	1	Item		
32	80 LB Rails	1	Item		
33	S&C layouts for Migration C1W stage	1	Item		-
34	S&C layouts for Migration C3W stage	1	Item		-
35	Fishplates & IBJ's complete	1	Item		
36	Top ballast for sidings	1	Item		
37	Point Heating boxes	1	Item		
38	S&T Equipment and Cables	1	Item		
	<b>Construction of North Sidings - Work stage C1W</b>				
39	<b>Work stage C1W - Part 1</b> Erect temporary fencing for the northern sidings safe distance from existing test track and road	1	Item		

40	Construct REB26 foundation	1	Item		
41	Attenuation tank	1	Item		
42	Train Wash foundation	1	Item		
43	Pump Room foundation	1	Item		
44	Rain water harvesting tank and carriage wash recycling tank foundation	1	Item		
45	Drainage and connections to West of site area	1	Item		
46	Construct raised walkway bases	1	Item		
47	UTX's and Surface troughs to West of site area	1	Item		
48	Construct new roadway and gates for new carriage washer and pump room	1	Item		
49	Line side equipment bases	1	Item		
50	New cable routes – on walkways buried	1	Item		
51	Construction of ballast formation & tracks BA, BB, BC, BD, DE, BF, BG, BH and associated S&C	1	Item		
52	Install all new S&T equipment & fittings to switches	1	Item		
53	Install all new Conductor Rails and equipment	1	Item		
54	Install all new Point Heaters to new S&C	1	Item		
	<b>Work stage C1W - Part 2</b>				
55	S&T Check Inspection mark up for disconnection	1	Item		-
56	S&T Power Down disconnection of 1401, 1431A, 1439 point checks complete with control panel	1	Item		
57	Remove Track and Con-Rail to make air gap for safe worksite	1	Item		
58	Complete all temporary fencing for the northern sidings along side road G	1	Item		
59	Dismantle Roads BA, D,E and F	1	Item		
60	Package 3 new distribution shed works	1	Item		-
61	Operations of Location cabinets to remain are Loc 5, Loc 6 and Loc 7	1	Item		-
62	Construct REB26 structures	1	Item		
63	Train Wash building	1	Item		
64	Pump house structure	1	Item		
65	Install all new S&T equipment & fittings to switches	1	Item		
66	Complete all new drainage and connections	1	Item		
67	Rain water harvesting tank and carriage wash recycling tank structure	1	Item		
68	Construct new roadway and gates for new carriage washer and pump room	1	Item		-
69	Install all new Conductor Rails and equipment	1	Item		
70	Construct raised walkways blockwork piers(500m)	1	Item		
71	CCTV mast bases	1	Item		
72	Install all new Point Heaters to new S&C	1	Item		
73	Construct lighting mast bases	1	Item		
74	Line side equipment bases	1	Item		-
75	UTX's and Surface troughs	1	Item		-
76	New cable routes – on walkways buried	1	Item		
	<b>Possession of North Sidings - Work stage C2P</b>				
77	Take possession & Isolation	1	Item		
78	Temporary fencing and stop signs to be dismantled	1	Item		-
79	S&T will disconnect stop light on buffer in Head shunt road.	1	Item		
80	S&T to start work on location boxes alterations	1	Item		
81	Cat scan area required and check for hidden services	1	Item		-
82	RRV machine to remove the buffer stop on the head shunt road and stand clear	1	Item		-
83	Excavator machine will be taken to the head shunt and unloaded read to remove the spoil in the extended	1	Item		
84	Removal of spoil	1	Item		
85	Lay down the Geo blanket membrane over the excavated area	1	Item		-
86	New ballast will be laid in at the planned depth by the contractors method of works	1	Item		-